

Listing of Claims

1. (Currently Amended) An error-detecting method in a mobile communication system, comprising:
 - detecting an error in a data block which has passed an uplink radio section;
 - inserting a cyclic redundancy check (CRC) code into the data block;
 - transmitting the data block with the CRC code to a receiving side; and
 - performing a concealment operation on the error data block when the error data block is transmitted to and judged to be CRC fail in the receiving side, wherein the CRC code has a predetermined bit pattern which causes the downlink section to exclude the data block from being used as a basis for performing a downlink power control operation based on the predetermined bit pattern of the CRC code.
2. (Canceled)
3. (Canceled)
4. (Original) The method of claim 1, wherein the CRC code is generated and inserted by a base station system of a transmitting side.
5. (Original) The method of claim 4, wherein the base station system includes a base

station, a radio network controller, and a mobile switching center.

6. (Currently Amended) An error-detecting method in a mobile communication system, comprising:

checking whether an error exists in a data block which has passed an uplink radio section;

inserting a cyclic redundancy check (CRC) code in the data block if the data is detected to have an error;

detecting the data block containing the CRC code on a receiving side;

generating a CRC fail based on detection of the CRC code;

reporting detection of an error to an image application; and

performing a concealment operation on the error data block based on the CRC fail using the image application, wherein the CRC code has a predetermined bit pattern which causes the downlink section to exclude the data block from being used as a basis for performing a downlink power control operation based on the predetermined bit pattern of the CRC code.

7. (Canceled)

8. (Canceled)

9. (Original) The method of claim 6, wherein the CRC code is generated and inserted by a base station system of a transmitting side.

10. (Original) The method of claim 9, wherein the base station system includes a base station, a radio network controller, and a mobile switching center.

11. (Currently Amended) An error-detecting method in a mobile communication system, comprising:

checking whether an error exists in a data block which has passed an uplink radio section;

inserting a cyclic redundancy check (CRC) code into the data block if the data is detected to have an error;

detecting the data block containing the CRC code on a receiving side;

generating a CRC fail based on detection of the CRC code; and

stopping a decoding operation on the data block and performing a concealment operation based on the CRC fail, wherein the CRC code has a predetermined bit pattern which causes the downlink section to exclude the data block from being used as a basis for performing a downlink power control operation based on the predetermined bit pattern of the CRC code.

12. (Canceled)

13. (Original) The method of claim 11, wherein the CRC code is generated and inserted by a base station system of a transmitting side.

14. (Original) The method of claim 13, wherein the base station system includes a base station, a radio network controller, and a mobile switching center.

15. (Original) The method of claim 11, wherein the uplink radio section is a radio section between an originating terminal and a radio network controller.

16. (Original) The method of claim 11, wherein the data block includes moving picture information.

17. (Currently Amended) An-error detecting method in a mobile communication system, comprising:

(a) detecting that a data block which has passed an uplink radio section has an error;

(b) blocking transmission of the data error block without inserting a substitute data block for the error data block;

(c) determining that the data error block has not been timely received by the receiving side based on an undetected transmission sequence number corresponding to the data

error block ; and

(d) performing a concealment operation on the data error block not timely received.

18. (Original) The method of claim 17, wherein steps (a) and (b) are performed in a base station system of the transmitting side.

19. (Original) The method of claim 18, wherein the base station system includes a base station, a radio network controller, and a mobile switching center.

20. (Original) The method of claim 17, wherein the uplink radio section is a radio section between an originating terminal and a radio network controller.

21. (Original) The method of claim 17, wherein the data block includes moving picture information.

22. (Previously Presented) The method of claim 17, wherein a data transmission to the receiving terminal is performed based on a circuit network transmission method.

23. (Currently Amended) A system for detecting errors in a mobile communication system, comprising:

a detector which detects an error in a data block which has passed an uplink radio section;

a processor for inserting a cyclic redundancy check (CRC) code in the data block; and

a transmitter for transmitting the data block with the CRC code to a receiving side, wherein a processor at the receiving side performs a concealment operation on the error data block when the error data block is transmitted to and judged to be a CRC fail, wherein the CRC code has a predetermined bit pattern which causes the downlink section to exclude the data block from being used as a basis for performing a downlink power control operation based on the predetermined bit pattern of the CRC code.

24. (Canceled)

25. (Canceled)

26. (Original) The system of claim 23, further comprising:

a base station system at a transmitting side which generates and inserts the CRC code.

27. (Original) The system of claim 26, wherein the base station system includes a base station, a radio network controller, and a mobile switching center.

28. (Currently Amended) A system for transmitting data in a mobile communication system, comprising:

a detector which detects that a data block passing an uplink radio section includes an error; and

a controller which blocks transmission of the data error block without inserting a substitute data block for the error data block, wherein blocking transmission of the data error block generates a missing transmission sequence number corresponding to the error data block that is detectable relative to other data blocks that are transmitted.

29. (Currently Amended) The system of claim 28, further comprising:

a detector at a receiving side that determines that the data error block corresponding to the missing transmission sequence number has not been timely received, and performs a concealment operation on the data error block not timely received.

30. (Original) The system of claim 28, wherein the detector and controller are located in a base station system of a transmitting side.

31. (Original) The system of claim 30, wherein the base station system includes a base station, a radio network controller, and a mobile switching center.

32. (Currently Amended) An error-detecting method in a mobile communication system, comprising:

detecting an error in a data block which has passed an uplink radio section;
inserting a cyclic redundancy check (CRC) code into the data block;
transmitting the data block with the CRC code to a receiving side; and
performing a concealment operation on the error data block when the error data block is transmitted to and judged to be CRC fail in the receiving side, wherein detection of the CRC code on the receiving side prevents the data block from being used as an index for determining an operating state of a downlink section at the receiving side, the downlink section to exclude the data block from being used as a basis for performing a downlink power control operation.

33. (Currently Amended) An error-detecting method in a mobile communication system, comprising:

checking whether an error exists in a data block which has passed an uplink radio section;
inserting a cyclic redundancy check (CRC) code in the data block if the data is

detected to have an error;

detecting the data block containing the CRC code on a receiving side;

generating a CRC fail based on detection of the CRC code;

reporting detection of an error to an image application; and

performing a concealment operation on the error data block based on the CRC fail using the image application, wherein detecting the CRC code on the receiving side prevents the data block from being used as an index for determining an operating state of a downlink section at the receiving side, the downlink section to exclude the data block from being used as a basis for performing a downlink power control operation.

34. (Currently Amended) An error-detecting method in a mobile communication system, comprising:

checking whether an error exists in a data block which has passed an uplink radio section;

inserting a cyclic redundancy check (CRC) code into the data block if the data is detected to have an error;

detecting the data block containing the CRC code on a receiving side;

generating a CRC fail based on detection of the CRC code; and

stopping a decoding operation on the data block and performing a concealment operation based on the CRC fail, wherein detecting the CRC code on the receiving side prevents

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the data block from being used as an index for determining an operating state of a downlink section at the receiving side, the downlink section to exclude the data block from being used as a basis for performing a downlink power control operation.